## CLAIMS

What is claimed is:

1. An Organic Rankine Cycle (ORC) system comprising:
a turbine driven by a working fluid; and
a generator driven by said turbine, said generator includes a rotor volume at sub-atmospheric pressure and a nozzle that is operable to spray said working fluid into said rotor volume.

2. The system as recited in claim 1, wherein the working fluid is Siloxane MM.

3. The system as recited in claim 1, wherein said generator includes a stator and a rotor between which the working fluid can be communicated.

4. The system as recited in claim 1, further comprising a rotor seal which separates said rotor volume from a turbine volume.

5. The system as recited in claim 4, further comprising a bleed line in communication with said rotor seal.

6. The system as recited in claim 5, further comprising a main drain line in communication with said rotor volume.

7. The system as recited in claim 6, wherein said bleed line is in communication with said main drain line.

8. The system as recited in claim 7, further comprising a heat exchanger in communication with said main drain line.

9. The system as recited in claim 8, further comprising a pump downstream of said heat exchanger.

10. An Organic Rankine Cycle (ORC) system comprising:
a primary cooling loop, a secondary cooling flow circuit, and a check valve between said primary cooling loop and said secondary cooling flow circuit, said secondary cooling flow circuit in communication with a rotor volume at subatmospheric pressure, said secondary cooling flow circuit sprays a working fluid into said rotor volume.

11. The system as recited in claim 10, wherein said working fluid is communicated over a stator within the rotor volume.

12. The system as recited in claim 10, further comprising a rotor seal which separates said rotor volume from a turbine volume.

13. The system as recited in claim 12, further comprising a bleed line in communication with said rotor seal.

14. The system as recited in claim 13, further comprising a main drain line in communication with said rotor volume and said bleed line.

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What is claimed is:

1. An Organic Rankine Cycle (ORC) system comprising:
a turbine driven by a working fluid; and
a generator driven by said turbine, said generator includes a rotor volume at sub-atmospheric pressure and a nozzle that is operable to spray said working fluid into said rotor volume.

2. The system as recited in claim 1, wherein the working fluid is Siloxane MM.

3. The system as recited in claim 1, wherein said generator includes a stator and a rotor between which the working fluid can be communicated.

4. The system as recited in claim 1, further comprising a rotor seal which separates said rotor volume from a turbine volume.

5. The system as recited in claim 4, further comprising a bleed line in communication with said rotor seal.

6. The system as recited in claim 5, further comprising a main drain line in communication with said rotor volume.

7. The system as recited in claim 6, wherein said bleed line is in communication with said main drain line.

8. The system as recited in claim 7, further comprising a heat exchanger in communication with said main drain line.

9. The system as recited in claim 8, further comprising a pump downstream of said heat exchanger.

10. An Organic Rankine Cycle (ORC) system comprising:
a primary cooling loop, a secondary cooling flow circuit, and a check valve between said primary cooling loop and said secondary cooling flow circuit, said secondary cooling flow circuit in communication with a rotor volume at sub-atmospheric pressure, said secondary cooling flow circuit including a nozzle that is operable to spray a working fluid into said rotor volume.

11. The system as recited in claim 10, wherein said working fluid is communicated over a stator within the rotor volume.

12. The system as recited in claim 10, further comprising a rotor seal which separates said rotor volume from a turbine volume.

13. The system as recited in claim 12, further comprising a bleed line in communication with said rotor seal.

14. The system as recited in claim 13, further comprising a main drain line in communication with said rotor volume and said bleed line.